

Title (en)

Magneto-optical recording medium and method of reproducing information from the same

Title (de)

Magneto-optisches Aufzeichnungsmedium und Verfahren zur Informationswiedergabe

Title (fr)

Milieu d'enregistrement magnéto-optique et méthode de reproduction d'information

Publication

EP 0821354 A3 20000809 (EN)

Application

EP 97305512 A 19970723

Priority

JP 19314096 A 19960723

Abstract (en)

[origin: EP0821354A2] A magneto-optical recording medium of the present invention has a recording layer made of a perpendicular magnetization film, and a readout layer which is in an in-plane magnetization state at room temperature and changes into a perpendicular magnetization state with a rise in temperature. When the magneto-optical recording medium is irradiated with a light beam, the readout layer separates into three regions: a region in an in-plane magnetization state, a region in a perpendicular magnetization state, and a region having a temperature not lower than the Curie temperature thereof. Only the region in the perpendicular magnetization state allows copying of the magnetization of the recording layer. Therefore, even when the diameter and intervals of recording bits on the recording layer are very small, it is possible to reproduce a target recording bit separately from a recording bit adjacent to the target recording bit. <IMAGE> <IMAGE>

IPC 1-7

G11B 11/10

IPC 8 full level

G11B 11/10 (2006.01); **G11B 11/105** (2006.01)

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G11B 11/10504 (2013.01 - KR); **G11B 11/10515** (2013.01 - EP KR US); **G11B 11/10584** (2013.01 - EP KR US);
G11B 11/10586 (2013.01 - EP US); **G11B 11/10591** (2013.01 - KR)

Citation (search report)

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Designated contracting state (EPC)

AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

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